

ABSTRACT OF THE DISCLOSURE

Such a digital receiver comprises a digital band-pass filter 16 for performing digital filtering on digital data D_{IF} of the intermediate frequency, the digital data D_{IF} frequency-converted by a frequency converter and undergone analog-to-digital conversion, at a first sampling rate equal to an exponentiation multiple of 2 of the intermediate frequency, and an interpolation filter 17 for performing digital filtering on digital data D_{BF} output from the digital band-pass filter 16 at a second sampling rate equal to an exponentiation multiple of 2 of the intermediate frequency and outputting the resulting data to a detection circuit 18.